

T 1
.F824
1900
Copy 1

THE
FRANKLIN INSTITUTE

OF THE

STATE OF PENNSYLVANIA

FOR THE

PROMOTION OF THE MECHANIC ARTS

CHARTER AND BY-LAWS OF THE INSTITUTE.

BY-LAWS OF THE BOARD OF MANAGERS.

REGULATIONS OF THE COMMITTEE ON SCIENCE
AND THE ARTS.

PHILADELPHIA :

PUBLISHED BY THE INSTITUTE.

1900.

THE
FRANKLIN INSTITUTE

OF THE
STATE OF PENNSYLVANIA

FOR THE
PROMOTION OF THE MECHANIC ARTS

CHARTER AND BY-LAWS OF THE INSTITUTE.

BY-LAWS OF THE BOARD OF MANAGERS.

REGULATIONS OF THE COMMITTEE ON SCIENCE
AND THE ARTS.

PHILADELPHIA:
PUBLISHED BY THE INSTITUTE.

1900.

1
T1
F824
1900

Gift

Carnegie Institution
Handbook Office

DEC 3 1907



CHARTER AND BY-LAWS OF THE FRANKLIN INSTITUTE

OF THE STATE OF PENNSYLVANIA FOR THE PROMOTION OF THE
MECHANIC ARTS.

AN ACT to amend and alter the Act incorporating the Franklin Institute of the State of Pennsylvania for the promotion of the Mechanic Arts.

WHEREAS: The Act approved March thirtieth, one thousand eight hundred and twenty-four, incorporating the Franklin Institute of the State of Pennsylvania, for the promotion of the Mechanic Arts, has been found insufficient and inconvenient for accomplishing the objects of said corporation, and the said corporation has applied for alteration and amendment thereof.

SECTION 1. *Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania, in General Assembly met, and it is hereby enacted by the authority of the same,* That the present members of said corporation, and all such persons as may hereafter become members thereof, shall be, and are hereby created, a body politic and corporate by the name of the "FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA FOR THE PROMOTION OF THE MECHANIC ARTS," and shall have perpetual succession, be able to sue and be sued, to plead and be impleaded, to have and use a common seal, and the same to break, alter and renew at pleasure, and shall be able to take, hold, purchase and enjoy such real and other estates of any nature or kind whatsoever as they may obtain by purchase, devise, bequest or gift, and the same at their pleasure to sell, lease, mortgage, pledge, encumber, or dispose of as they may deem proper or convenient for promoting the objects of the said corporation; and the said corporation shall have the like power over any real or other estates now owned or held by them; *provided*, that the clear yearly value of the real estate at any time held by them shall not exceed ten thousand dollars.

SECT. 2. That it shall be lawful for the said corporation to raise funds for the payment of its present indebtedness, and for all other

purposes of the said corporation, to create and sell such number of shares of stock, at ten dollars each, as may be deemed proper to represent the estates of the said corporation, and the certificates of such stock shall be in such form, be transferable in such manner, subject to such payments, and entitle the holder thereof to such privileges, as the said corporation may, by its by-laws in reference to such stock, grant and direct.

SECT. 3. The object of the said corporation shall be the promotion and encouragement of manufactures and the mechanical and useful arts, by the establishment of lectures on the sciences connected with them, by the formation of cabinets of models, minerals, machines, materials and products, by exhibitions and premiums, by a library and by all such measures as they may judge expedient.

SECT. 4. The members of the said corporation shall consist of manufacturers, mechanics, artisans, and persons friendly to the mechanic arts, and of such stockholders in said corporation as may, by the by-laws, be entitled to the privileges of members; and every member shall pay such sum for an annual or life subscription as the by-laws of said corporation may require; and honorary and corresponding members may be elected at such times, and in such a way, and with such privileges as said corporation may deem expedient.

SECT. 5. The said corporation shall be managed in such way, and by such number of officers, managers and other persons as the by-laws may prescribe; and the powers and functions of such officers, managers and other persons, the rights and duties of members, the manner of their election, and the causes which may justify their expulsion or suspension, and all other concerns of the said corporation, shall be fixed and regulated by its by-laws, which by-laws shall be adopted by said corporation at the first monthly meeting after the acceptance of this amended Charter, and said by-laws shall be altered and amended only in the manner provided in said by-laws as then adopted.

SECT. 6. So much of the Act to which this is a supplement as is inconsistent herewith is repealed.

OFFICE OF THE SECRETARY OF THE COMMONWEALTH
OF PENNSYLVANIA, APRIL 25, 1864.

I certify that the foregoing bill passed both branches of the Legislature, and received the signature of the Governor on this day. As witness my hand the day and year above written.

(Signed)

ELI SLIFER,
Secretary of the Commonwealth.

BY-LAWS.

ARTICLE I.—*Trustees.*

SECTION 1. All Real and Personal Estate of the Institute which may hereafter be acquired by voluntary subscription or devise, bequest, donation, *or in any way other than through its own earnings or by investment of its own funds*, saving where the donors shall expressly provide to the contrary, shall be taken as acquired upon the condition that the same shall be vested in a Board of Trustees who shall be appointed in the manner hereinafter indicated. Unless the title to such property shall be directly vested in said Board of Trustees by the donors, the Institute, by deed attested by the President and Secretary, which they are hereby authorized to execute and deliver, shall forthwith convey the same to said Trustees, who shall hold it in trust for the purposes specifically designated by the donors; or, if there shall be no specific designation, for the benefit of the Institute in the way and manner hereinafter provided, so that the same shall not, in any event, be liable for the debts of the Institute.

SECT. 2. Said Board of Trustees shall be composed of seven (7) members, who shall be elected as follows:—

They shall be nominated at a stated meeting of the Board of Managers, at least one (1) month prior to the election. They shall be elected by a vote of two-thirds ($\frac{2}{3}$) of the members present.

In case of a vacancy occurring in the Board of Trustees, it shall be filled as follows:—

The Board of Trustees shall nominate to the Board of Managers three (3) suitable persons, and the Board of Managers shall elect one (1) of the three (3) to fill the vacancy.

The *remaining* members of the Board of Trustees, whenever at any time it shall be deemed necessary so to do, shall have power to assign and convey the property held by them, so as to vest the title thereto in themselves and their successors.

SECT. 3. Said Trustees shall have full power and authority, from time to time, to assign, sell and dispose of any property, real and personal, by them held, unless there shall be some direction by the donors to the contrary, and shall have power to convey the same without purchasers being obliged to see to the application of the purchase moneys, when authorized so to do by a vote of two-thirds ($\frac{2}{3}$) of the members present at any regular or special meeting of the Board of Managers, *provided*, that they shall not be obliged to sell or convey unless a majority of their own Board shall also approve.

SECT. 4. Said Trustees shall not be confined to legal investments, but shall have full power to invest in any real property, improvements and alterations, and in any securities, other than shares of stock, or unusual personal obligations, which to them may seem advisable. They shall take such care and control of the property as is usual and proper.

SECT. 5. Said Trustees shall have power to appoint agents to act for them, and for the acts of such agents they shall not be personally responsible where they have exercised ordinary prudence in selecting them.

SECT. 6. Said Trustees shall have power to carry into effect any special trusts upon which any property may be held by them. They shall pay out all necessary and proper costs, charges and expenses, and from time to time shall pay over the net income, unless otherwise directed by the donors, to the Board of Managers, to be applied by them, under the instructions of said Trustees, to the general uses of the Institute. The same, however, not to be liable to the debts thereof, but so that the continuance and efficiency of the Institute shall be preserved.

SECT. 7. At the annual meeting of the Board of Managers in each year, said Board of Trustees shall present a report of their proceedings and a detailed statement of their receipts and expenditures for the year. An approval of such account shall be final and conclusive, and shall bar any right to demand any other or further accounting.

SECT. 8. The Board of Trustees, at a meeting of the members of the Institute, called after three (3) months' special notice, at which the holders of nine-tenths ($\frac{9}{10}$) of the whole outstanding shares of stock shall vote affirmatively, may convey all property, real and personal, in them vested, to the Institute, free and clear of all trusts; *provided*, that there be no specific trusts violated by such conveyance, and that all the members of said Board, as the same shall then be constituted, shall approve of such conveyance.

ARTICLE II.—*Stock.*

SECTION I. The Real and Personal Estates of the Institute as held upon the First Day of January, One Thousand Eight Hundred and Eighty-one, shall be valued at *One Hundred Thousand Dollars*, and shall be represented by *Ten Thousand Shares* of Stock of the par value of *Ten Dollars* each. Said shares shall be divided into two classes, viz.:—

First Class.—*Shares not registered for use:* on which no annual payment shall be charged or collected, and the holders thereof shall

not have the privileges of members of the Institute, but may, if of legal age, vote at any annual election for officers, managers and auditors, upon the payment of *One Dollar* upon each share of stock on which they may desire to vote; *provided, however*, such shares have been held by the same person at least three months before such election.

Shares of the First Class may be converted into shares of the Second Class, at the pleasure of the owners, provided the transfer be approved by the Board of Managers; but, when once so converted, they shall always continue in the Second Class.

Second Class.—*Shares registered for use:* on which *Six Dollars* per annum shall be due and payable in advance on the first day of October in each year, except as hereinafter provided.

All subscriptions to stock shall be approved by the Board of Managers before the certificate can be issued.

SECT. 2. The holders of Second Class stock shall be entitled to the use of the library, lectures and reading-room; and, if of legal age, to all other privileges of membership in the Institute, so long as they make the annual payment in advance; and shall, on the payment of *One Dollar* therefor, be entitled to a Certificate of Membership.

SECT. 3. If the annual dues for two successive years remain unpaid at the expiration of two and a half years on any share of stock of the Second Class, such share shall then become forfeited to the Institute; but such forfeiture may be remitted by a unanimous vote of the Board of Managers.

SECT. 4. Certificates for the First Class stock may be issued for any number of shares in a single certificate; but every certificate for the Second Class shall be for one share only.

SECT. 5. All certificates of stock shall be signed by the President and Secretary; shall be issued by the Actuary, and shall be transferable only on the books of the Institute by the owner, or his legal representative, on the surrender of the old certificate, and on the payment of the Stamp Tax, and of a fee of *twenty-five cents* for each certificate.

SECT. 6. No share of stock in the Second Class shall be transferred until all arrearages and fines are paid, and all books and tickets returned, and the transfer approved by the Board of Managers.

SECT. 7. The shares of stock obtained by the Institute by legacies, donations or forfeiture, shall at once be canceled.

ARTICLE III.—*Members.*

SECTION I. The members of the Institute shall consist of manufacturers, mechanics, artisans, and persons friendly to the mechanic

arts, and they may be either annual contributors, life members, permanent members, holders of Second Class stock, honorary or corresponding members.

SECT. 2. The name, occupation and place of business or residence of any persons, other than a holder of Second Class stock, desirous of becoming a member, shall be entered in a book (kept for the purpose in the Hall of the Institute, always open for inspection) by any member of the Institute, who shall enter his own name at the same time with that of the candidate whom he proposes. These names so proposed shall be acted upon by the Board of Managers from time to time.

SECT. 3. The privileges of membership in the Institute shall extend only to persons of legal age who are not in arrears and who shall have signed the charter and by-laws.

SECT. 4. Honorary and corresponding members shall be nominated by the Board of Managers, and shall require for their election four-fifths of the votes of the members present at any meeting at which their nomination may be acted upon.

SECT. 5. Members shall be entitled to a Certificate of Membership on payment of *One Dollar*.

SECT. 6. Resignations of membership shall be made to the Board of Managers in writing, but shall not be accepted until all dues, fines, and arrears of dues at the rate of seventy-five cents a month, subsequent to the first of October and up to the date of resignation, shall have been paid, and books and tickets returned.

SECT. 7. Members whose yearly dues are in arrears for more than three years shall be considered as having resigned, and the Actuary is directed to strike their names from the list of members.

SECT. 8. Non-resident members shall be those who reside permanently at a distance not less than twenty-five miles from Philadelphia.

Holders of Second Class stock, contributing members and candidates for membership wishing to be classed as non-resident members, are required to present a request therefor to the Board of Managers, which may, at its discretion, grant the request. No person, however, shall be enrolled as a non-resident member who may reside for a portion of the year in Philadelphia, and no request for such enrollment shall be granted to any holder of Second Class Stock or contributing members who may be temporarily absent from the city for a period of less than one year.

ARTICLE IV.—*Payments.*

SECTION 1. The annual dues of contributing members shall be eight dollars; a life membership (not transferable) may be acquired

by the payment of one hundred dollars within any one year; and a permanent membership may be granted to any one who shall, within any one year, contribute to the Institute the sum of one thousand dollars, which membership may be transferred by will or otherwise.

SECT. 2. Holders of Second Class stock and contributing members enrolled as non-resident members shall pay upon election to membership an entrance fee of five dollars and an annual fee of two dollars. A non-resident life membership (not transferable) may be acquired by the payment of forty dollars in any one year.

SECT. 3. Stock of the Second Class may be held in trust for persons not of legal age, and shall be liable to the payment of only one-half the annual fees due upon stock of Second Class held by persons of legal age; *provided*, that when such minors arrive at legal age, new certificates, subject to the full annual contribution, shall issue on payment of the customary fee.

SECT. 4. The annual payment of fees for membership shall be due and payable on the 1st of October in each year, in advance; but all members elected after the 31st of January in each year shall pay, in advance, at the rate of *seventy-five cents* a month to the 1st of October next ensuing.

SECT. 5. The annual dues from contributing members may be applied to the current expenses of the Institute, but all moneys received from life and permanent membership shall be vested in the Board of Trustees, the income therefrom only to be applied to the maintenance fund.

ARTICLE V.—*Officers.*

The Officers shall be a President, three Vice-Presidents, a Secretary, a Treasurer, twenty-four Managers, and three Auditors. Two-thirds of the Managers shall be manufacturers or mechanics.

ARTICLE VI.—*Election of Officers.*

SECTION 1. An election for officers shall be held on the third Wednesday in January in each year. At this election the President, the Secretary and the Treasurer shall be elected to serve one year, and one Vice-President, eight Managers, and one Auditor shall be elected to serve for three years; *provided*, that the officers now elected, or who may hereafter be elected, shall continue to serve until their successors be elected. No person shall be allowed to vote unless all his arrears are paid.

SECT. 2. All elections for officers of the Institute shall be by ballot, and no vote shall be cast by proxy.

SECT. 3. The President shall, at the stated meeting in December, annually, appoint seven members of the Institute to conduct the election for officers to be held on the third Wednesday in January, and to act as judges of said election. They shall meet at the hall of the Institute at 4 o'clock P. M. on the day of the election, then and there open the polls for said election, keeping the polls open until 8 o'clock P. M., and making a record of the name of each voter. On the closing of the polls they shall forthwith count the votes and report the result to the President.

In case any one or more judges of said election shall fail to attend, the judges present on the day of the election shall have power to fill the vacancies.

ARTICLE VII.—*President.*

It shall be the duty of the President, or, in his absence, of one of the Vice-Presidents, in order of seniority of election, or, in their absence, of a President to be chosen *pro tempore*, to preside at all meetings of the Institute and of the Board of Managers, preserve order therein, put all questions, and announce all decisions.

ARTICLE VIII.—*Secretary.*

SECTION I. The Secretary of the Institute shall be a person of scientific and literary attainments, and shall receive such annual compensation for his services as may be fixed by the Board of Managers.

SECT. 2. His duties shall be to receive members and strangers visiting the Institute; to take charge of the library, cabinets and other property of the Institute under the direction of the various committees and Curators; to present and read at each meeting of the Institute a statement of such scientific discoveries, mechanical improvements, or novelties in the arts or engineering, as he may deem of interest to the members; and to perform such other duties as he may deem advisable to promote the objects of the Institute, or such as may, from time to time, be designated by the Institute. He shall also answer all letters addressed to the Institute except those relating to stock, finance, or of a business character; open and maintain such correspondence as may promote its interest; notify honorary and corresponding members of their election, and committees of the Institute of their appointment, and acknowledge all donations to the library or cabinets in the *Journal*, and to the donors thereof at his discretion. He shall report, or cause to be reported, the proceedings of the Institute, and shall deliver the report thereof, or an abstract of it, to the editor for publication.

SECT. 3. In case of the absence or sickness of the Secretary, it shall be the duty of the President to appoint a person to perform the duties of the position *pro tempore*.

SECT. 4. A suitable person shall be appointed by the Secretary, with the sanction of the Board, to act as Librarian.

ARTICLE IX.—*Treasurer.*

It shall be the duty of the Treasurer to receive from the Board of Trustees all funds, which they may pay over to the Board of Managers in accordance with Section 6 of Article I. He shall also receive all moneys collected for the Institute by the Actuary. He shall deposit all moneys received, in the name of the corporation, in such institution as the Board of Managers may direct. He shall make no payments without written vouchers from the Board of Managers. He shall keep accurate accounts of the income and disbursements of the Institute, exhibit an accurate statement of his receipts and payments at each stated meeting of the Board of Managers, and of the condition of the finances of the Institute whenever called on by them, and shall make an annual statement thereof at the annual meeting of the Institute. He shall give bonds to an amount fixed by the Board of Managers for the faithful performance of his trust. In case of a vacancy in the office of Treasurer, it shall be the duty of the Board of Managers to appoint a person to perform the duties of the position *pro tempore*.

ARTICLE X.—*Auditors.*

The Auditors shall examine the Treasurer's accounts and compare them with the orders of the Board of Managers, and report to the Board as to their correctness. They shall also examine the accounts of the Trustees, and report the results to the Board of Managers.

ARTICLE XI.—*Organization and Government of Sections.*

SECTION 1. For the promotion and encouragement of manufacturers and the mechanic arts, as well as of the sciences connected with them, members of the Franklin Institute may form sections and hold meetings in the hall, or such other rooms as may be provided for them by the Board of Managers. These sections shall be constituted as hereinafter provided, and shall have precedence in the order of their formation.

SECT. 2. Any number of members, not less than twelve, may constitute a section.

SECT. 3. Members desiring to form a section shall make written application to that effect to the Committee on Sectional Arrangements, which committee shall report such applications, from time to time, to the Board of Managers at one of its stated meetings, with such recommendations as the committee may deem it expedient to make in each case.

An application for the formation of a section shall be made in the following form:—

“The undersigned, members of the Franklin Institute, request that they may be constituted the —— Section of the Franklin Institute.”

This application, when submitted by the Committee on Sectional Arrangements, shall be considered by the Board of Managers, and, if approved by the Board, the section shall be established and the names of the petitioners shall be recorded on the minutes as the founders of that section, and shall be reported by the Board of Managers to the Institute at its next meeting. Whenever the petitioners have organized, they shall report such organization, with the names of their officers, to the Committee on Sectional Arrangements. But if they shall fail to organize such section within six months after the date of said approval, or if an established section shall fail to make a report of its proceedings to the committee during any period of twelve months, it shall be the duty of the Committee on Sectional Arrangements to inform the Board of Managers, which may thereupon declare that such section is extinct.

SECT. 4. All members of the Institute shall have the privilege of enrolling themselves, without payment of additional fees, as members of any of the sections which are now, or which may hereafter be, established in conformity with these by-laws, and such enrollments shall be reported from month to month to the secretaries of the sections designated; but no person shall be entitled to any of the privileges of any of the sections who has not complied with the conditions of Section 3 of Article III of these by-laws.

SECT. 5. Each section shall submit to the Committee on Sectional Arrangements prior to the stated meeting of the Board of Managers in December of each year, an estimate of moneys it will require for the ensuing year, and such estimate the Committee on Sectional Arrangements shall transmit, with its recommendation, to the Board at its stated meeting in December.

SECT. 6. Each section shall elect its own officers and make its own by-laws, not inconsistent with the charter and by-laws of the Franklin Institute. The Institute shall not be responsible for bills contracted by any section except in conformity with the conditions pre-

scribed in Section 4 of Article XII of the by-laws relating to committees, nor in any event for a sum greater in any one year than the amount appropriated by the Board of Managers for the service of the section for that year.

SECT. 7. All requisitions for supplies shall be made by order upon the Actuary of the Institute.

SECT. 8. The books, papers, apparatus, specimens, models and all other collections of each section, shall be the property of the Institute, held for the use of that section. Donations of objects or books to or for any section, shall be received and reported to the Committee on Sectional Arrangements, and by this committee to the Board of Managers, as donations to the Institute for the use of that section.

SECT. 9. At the first meeting of each section it shall determine, subject to the approval of the Board of Managers, the times of its stated meetings.

SECT. 10. Papers read and lectures delivered before any section and approved by the same, shall be referred to the Committee on Publications of the Institute, and, if accepted by them, shall be published in the *Journal* of the Institute.

SECT. 11. Societies now existing, or which may hereafter be founded, for the consideration of any subjects clearly within the scope of the Franklin Institute, and which societies may desire to unite with the Franklin Institute as sections, shall furnish a list of such of their members as have declared their willingness to become members of the Institute, to the Committee on Sectional Arrangements, which committee shall transmit the same, with its recommendation, to the Board of Managers.

SECT. 12. On all points not herein provided for, each section shall be governed by the charter, by-laws and usages of the Institute.

ARTICLE XII.—*Of Committees.*

SECTION I. There shall be the following Standing Committees, each to consist of ten members, to be appointed by the President, at the first meeting after the annual election, who may be aided in his choice by nominations made at the annual meeting. All members notified of their appointment to any committee, if they do not decline before the next stated meeting, shall be considered members thereof:—

1. On the Library.
2. On the Cabinet of Models.
3. On the Cabinet of Minerals and Geological Specimens.
4. On the Cabinet of Arts and Manufactures.
5. On Meteorology.
6. On Meetings.

SECT. 2. There shall be a Committee on Science and the Arts, which shall consist of forty-five (45) members of the Institute, to be elected as hereinafter prescribed, who shall pledge themselves by their acceptance of membership, to perform such duties as may devolve upon them and to sustain by their labors the scientific character of the Institute.

The committee shall, within one month after the annual election of the Institute in each year, hold a meeting, at which they shall elect a chairman. They may adopt rules for their government not inconsistent with the charter and by-laws of the Institute.

Special Committees to examine any subject shall be appointed by the chairman, and shall make their reports in writing signed by the members thereof. A quorum for final action upon a report shall consist of not less than fifteen (15) members, and when such report is adopted it shall be accepted as the decision of the Institute.

It shall be the duty of the chairman of the committee to submit, at the stated meeting of the Institute, such action of the committee as he may deem of interest to the Institute.

Applications for the examination of any subject shall be made to the chairman of the committee, either by the Institute or by the Secretary, who shall receive such application from inventors and others.

The members of the committee shall be nominated at the stated meeting of the Institute in December, and shall be elected for three (3) years at the annual election—each year fifteen (15)—except that at the annual election in 1887 there shall be elected forty-five (45), who shall draw lots for terms of one (1), two (2) and three (3) years respectively.

The committee shall report all vacancies occurring in their body, whether by neglect of duty or otherwise, to the stated meeting of the Institute next ensuing, at which such vacancies shall be filled.

The meetings of the committee shall be open to all members of the Institute.

SECT. 3. Each of the committees named in the first section shall choose, at their first meeting after their appointment, a chairman.

The Committee on the Library, on Meetings, and on Science and Arts, shall meet at least once in each month, except in July and August; the other committees at the call of their chairmen.

Records of their proceedings shall be kept by the Secretary.

They shall report to the Institute, and shall be governed by such rules, not inconsistent with these by-laws, as may be adopted by them respectively. All Special Committees must report to the Institute in writing, at the next stated meeting succeeding their appointment, otherwise they may be considered discharged.

SECT. 4. No bills for expenses incurred by committees shall be paid unless certified to by such committee at a regular meeting, examined by the Auditors, and authorized by the Board of Managers.

ARTICLE XIII.—*Meetings.*

SECTION I. The Institute shall hold stated meetings on the third Wednesday of each month, excepting in July and August. That on the third Wednesday in January of each year shall be styled the annual meeting.

SECT. 2. Special meetings shall be called by order of the President, upon request of the Board of Managers, or the written application of twelve members of the Institute. Fifteen members shall constitute a quorum.

ARTICLE XIV.—*Order of Business.*

SECTION I. The stated meetings of the Institute shall be held at the hour of 8 o'clock, P. M.

SECT. 2. The order shall be as follows:—

1. Reading of the Minutes.
2. Reports from the Board of Managers.
3. Reports from Standing Committees, etc.
 - (1). On the Library.
 - (2). On the Cabinet of Minerals, etc.
 - (3). On the Cabinet of Models.
 - (4). On the Cabinet of Arts and Manufactures.
 - (5). On Meteorology.
 - (6). On Meetings.
 - (7). On Science and the Arts.
 - (8). The Curators.
4. Reports from Special Committees.
5. The paper announced for the evening.
6. The Secretary's report.
7. Deferred business.
8. Consideration of new business.

SECT. 3. At the annual meetings the reception of the report of the judges of the election shall always be in order.

SECT. 4. The order of business may be altered for any meeting by a vote of two-thirds of the members present thereat.

ARTICLE XV.—*Rules.*

The Institute, at its meetings, shall be governed by the following rules:—

First.—All resolutions must be presented in writing, signed by the mover, and must be seconded and announced by the Chair before consideration.

Second.—Any member rising to speak shall be announced by the Chair before proceeding.

Third.—The name of the mover of any resolution announced by the Chair shall be entered in the minutes.

Fourth.—No member shall be allowed to speak more than twice on any resolution, unless by special permission granted by the meeting, except he be the mover thereof, or the chairman of the committee reporting it, who shall have the privilege of closing the debate.

Fifth.—The yeas and nays shall be called at the request of five members. Each member attending any meeting of the Institute, shall, as he enters the hall, report his name to the janitor, to be recorded in a book to be kept for the purpose.

Sixth.—The Chair shall decide whether any resolution does or does not pertain to the objects of the Institute; and in the latter case, shall decide it out of order, and from this decision there shall be no appeal.

Seventh.—Nominations for officers to be voted for at the annual meeting shall be made at the stated meeting in December, and the names of the nominees not declining shall be published, by posting in the hall, thereafter until the election.

Eighth.—The first four rules hereinbefore stated, or either of them, may, by a vote of two-thirds of the members present at any meeting, be suspended for that meeting.

ARTICLE XVI.—*Board of Managers.*

SECTION I. All the officers of the Institute, except the Auditors and Trustees, shall be, *ex officio*, members of the Board of Managers, which shall have entire control of the current receipts and expenditures of the Institute. To the Board of Managers shall be confided all the business affairs of the Institute, not specially reserved to the Board of Trustees. The Board of Managers shall have authority to devise and execute all measures, not incompatible with the rights and duties of the Board of Trustees, which may, in their judgment, advance the interests of the Institute.

They shall have authority, by exchange, sale or otherwise, to add to or subtract from the collections of books, furniture and apparatus, in such manner, however, that the aggregate value of the same to the Institution, at any time, may not be impaired.

They shall have authority to elect members of the Institute, except Honorary and Corresponding Members, who shall be elected by the Institute.

SECT. 2. The Board of Managers shall keep regular minutes of their proceedings, which shall be open at all times to inspection by members of the Institute.

SECT. 3. The Board of Managers shall, at the annual meeting of the Institute, present a report of their proceedings and of the condition of the affairs of the Institute.

SECT. 4. They shall hold stated meetings once in each month. They shall select their own officers, except the chairman, who shall be the President of the Institute, and in his absence, as provided for in Article VII, and shall be at liberty to make by-laws for their own regulation, not inconsistent with the charter, or with the by-laws of the Institute. Seven of their members shall constitute a quorum.

SECT. 5. All vacancies in the Board of Managers shall be filled at the next meeting of the Institute.

ARTICLE XVII.—*Amendments.*

Amendments to these by-laws, to be proposed at any stated meeting, shall be posted upon the notice-board by the first of the month. Such proposition, when presented to the meeting, may be considered, amended, referred, postponed, or rejected, or ordered to be published weekly in two or more daily papers published in the city of Philadelphia, by a majority vote.

At a subsequent stated meeting, after such publication, the amendment may be adopted by a vote of two-thirds of the members present, except in the case of Article II, relating to capital stock, which cannot be altered unless by a vote of a majority of the stock represented.

BY-LAWS OF THE BOARD OF MANAGERS.

SECTION 1. *Officers.*—The President of the Institute, or, in his absence, the Vice-President, in order of seniority of election, or in the absence of both, a member elected *pro tempore*, shall preside at all meetings of the Board. Records of its proceedings shall be kept by the Actuary.

SECT. 2. *Meetings.*—The Board shall hold a meeting for the purpose of organizing, appointing an Actuary, Standing Committees, etc., on the fourth Wednesday in January, and regular meetings on the second Wednesday of each month, at one o'clock, P. M.

SECT. 3. Special meetings may be called by the President whenever he shall deem the same necessary. In case of his absence or refusal to call a special meeting on the written request of five members of the Board of Managers, such special meeting shall be called by the Actuary.

SECT. 4. *Actuary.*—An Actuary shall be appointed by the Board at their first meeting after the annual election. He shall keep a correct record of their proceedings; keep a roll of the members, and note their attendance thereon; give notice of all meetings of the Board, and of committees, by circulars, delivered at least two days prior to the day of meeting; act as Secretary of all Standing Committees of the Board; notify all committees of the Board of their appointment, and transmit to the chairman of each all papers or documents relating to the subject to be considered or acted upon. He shall collect and receive all moneys due to the Institute, and hand them over to the Treasurer; shall act as agent of the *Journal* of the Institute, and shall transact such other business of the Institute as the Board shall direct. In all matters he shall be subject to the direction and control of the Board, and he shall be entitled to receive such yearly compensation as they may determine.

SECT. 5. *Resignations.*—All resignations of membership of the Board, after acceptance thereof, shall be reported to the Institute at its next stated meeting.

Members who have not attended six regular meetings prior to the stated meeting of the Institute in December, shall be reported thereat as having resigned, unless it be unanimously voted by the Board, at its stated meeting in December, that such member has been absent for sufficient reason.

SECT. 6. *Standing Committees*.—The following Standing Committees, consisting of five members each, shall be appointed by the President and approved by the Board:—

1. On Instruction. 2. On Election and Resignation of Members.
3. On Stocks and Finance. 4. On Publications. 5. On Exhibitions.
6. On Sectional Arrangements. 7. On Endowment.

It shall be the duty of these committees to keep regular minutes of their proceedings, and report them monthly to the Board, and to report to the stated meeting of the Board in December an estimate of moneys they require for the service of the ensuing year.

SECT. 7. *Curators*.—Two members of the Board shall be selected at their first meeting after the annual election, to serve as Curators for the ensuing year and until their successors shall be appointed. They shall have charge of all the property of the Institute, except such records, papers and books as may be assigned to the officers. They shall keep regular minutes of their proceedings, and report the same to the Board at its regular meetings.

SECT. 8. *Professorships*.—There shall be Professors of Chemistry, Natural Philosophy, Mechanics, and other departments, as the Board of Managers may direct, to be elected by the Board annually for a term of one year, at its first meeting after the annual election, and to receive such compensation as the Board may, from time to time, determine. The professors shall be, *ex officio*, members of the Committee on Instruction, in addition to the five members named in Section 6.

SECT. 9. *Order of Business*.—The order at the stated meetings shall be as follows:—

1. Calling the roll.
2. Reading the minutes and action thereon.
3. Report from Treasurer, and action on bills.
4. Reports from Standing Committees and action thereon.
 - (a). On Instruction.
 - (b). On Election and Resignation of Members.
 - (c). On Stocks and Finance.
 - (d). On Publications.
 - (e). On Exhibitions.
 - (f). On Sectional Arrangements.
 - (g). On Endowment.
5. Reports from Special Committees and action thereon.
6. Reading correspondence.
7. Donations.
8. Deferred business.
9. New business.

10. Excuses for non-attendance and action thereon.

11. Calling the roll.

SECT. 10. *Amendments.*—These by-laws may be altered at any stated meeting of the Board, provided the alteration be approved by two-thirds of the members present.

SECT. 11. A suitable person shall be appointed by the Secretary to act as janitor, with the approval of the Board, who may be discharged by the Secretary for misconduct.

REGULATIONS OF THE COMMITTEE ON SCIENCE AND THE ARTS.

Approved by the Institute at the stated meeting held June 21, 1893, and adopted at the stated meeting of the Committee on Science and the Arts, held September 6, 1893.

MEETINGS.

1. The committee shall hold stated meetings at 8 o'clock P. M. on the first Wednesday of each month, excepting July and August. Special meetings may be called by the chairman, and shall be called by him upon the written request of five members of the committee.

2. At all meetings of the committee nine members shall constitute a quorum, except that a quorum for final action upon a report shall consist of not less than fifteen members.

CHAIRMAN.

1. Nominations for chairman to serve for one year shall be made at the stated meeting of the committee in February, and the election shall be by ballot at the same meeting, and the person receiving the highest number of votes shall be declared elected. The chairman shall hold his office until his successor shall be installed. He shall not be eligible for election for two successive terms.

2. He shall take the chair at the hour appointed, preserve order and decorum in debate, suppress all personal reflections and confine the remarks of members to the question under discussion. When two or more members rise at the same time he shall designate the one entitled to the floor.

3. He shall decide all questions of order. An appeal from his decision to the committee cannot be made by less than two members. He may, however, submit questions of order to the committee for their decision.

4. On questions of order, there shall be no debate, except on an appeal from the decision of the chairman, or on a reference of a question by him to the committee. On questions of order, no member shall speak more than once, unless by leave of the committee; on other questions, a member may speak twice, but not oftener, without leave.

5. The chairman shall appoint the members of all sub-committees, unless otherwise ordered, but shall not serve on any such sub-

committee; and whenever he shall ascertain that any member of a sub-committee is absent, or fails to discharge the duties assigned to him, he is empowered to substitute another.

ORDER OF BUSINESS.

1. Calling the roll.
2. Reading of the minutes of the preceding meeting.
3. Reading of correspondence.
4. Reports on applications, and consideration thereof.
5. Report of standing committee on new subjects for investigation.
6. Consideration of reports for final action.
7. Reports of sub-committees, first reading.
8. Deferred business.
9. New business.
10. Calling the roll.
11. Adjournment.

INVESTIGATIONS.

1. It shall be competent for the committee at all times, by vote of a majority of the members present, to investigate by sub-committee any subject which shall be presented on the motion of a member, and to remit the usual charge for investigation.

2. Every inventor or other person who may submit a subject to the committee for investigation, shall be furnished by the Secretary with a copy of the rules and regulations of the committee governing investigations.

3. The party desiring investigation of any subject shall make a written request addressed to the committee, and upon receiving notice from the Secretary that his application has been accepted, he shall deposit with the Secretary the sum of five dollars to cover the ordinary cost of investigation and report.

4. All applications for investigations addressed to the committee shall first be referred to a special committee to be appointed by the chairman, styled the "Committee on Preliminary Examination," the membership of which shall be known only to the Chairman and Secretary. It shall be the duty of the Committee on Preliminary Examination to pass judgment on the character of applications referred to them, and, at each stated meeting, to submit a report of their work, recommending as worthy of investigation such applications as in their judgment are meritorious, and as unworthy such as they may judge to be unimportant.

5. No person shall be a member of a sub-committee of investigation who is or has been interested in the issue, either pecuniarily or as counsel for the applicant.

6. All members of a sub-committee making a report, whether members of the general committee or not, shall receive notice of any meetings at which said report will be considered, and shall have the right to the floor in the discussion thereof, and the Secretary shall state this fact on the notices of appointment of members of sub-committees.

7. A quorum for the transaction of business at any meeting of a sub-committee properly called, shall consist of the member or members present, irrespective of numbers.

8. No inventor or other person interested in the issue of an investigation shall be present at a meeting of a sub-committee or of the general committee, when the merits of a subject or invention in which he is interested shall be under discussion, except at the invitation of the sub-committee charged with the investigation; but after the report of the sub-committee has passed first reading, he may examine it, on application to the Secretary, and may make any explanations or objections, in writing, addressed to the chairman of the general committee; *provided*, that such explanations or objections shall be submitted not later than the next stated meeting of the general committee.

9. No subject, or invention, can be withdrawn after it has been assigned to a sub-committee for investigation without the consent of the general committee.

10. Sub-committees in preparing their reports shall accompany them with drawings or diagrams, whenever these will serve to illustrate the subject of their reports; and they shall be authorized, whenever they shall think it necessary, to require inventors, or other persons interested in the investigations, to furnish such drawings or diagrams as a condition of their making such investigations and reports.

Reports on all subjects must be signed by a majority of those members of the sub-committee who have participated in the investigations. Minority reports may be received and considered by a vote of the majority of the members present. When a report is issued it shall have attached to it the names of the chairman and secretary.

11. When any sub-committee deems the subject upon which it reports worthy of an award of the Certificate of Merit, the Edward Longstreth Medal of Merit, the John Scott Legacy Premium and Medal, or the Elliott Cresson Medal, it shall append to its report a recommendation to that effect, and such recommendation shall not be

changed by the general committee, except by a vote of two-thirds of the members present.

It shall not be competent for any member of the Committee on Science and the Arts to be a competitor for any of the medals or other awards in the gift, or subject to the recommendation of the said committee, unless the subject for award be referred to the committee for examination by a vote of the Institute.

12. The reports of all sub-committees may be discussed at the meeting of the general committee at which they are first presented, but shall be laid over for second reading and final action until the next meeting, except that, by unanimous vote of the members present, they may be taken up for second reading and finally disposed of.

13. It shall be the duty of the Secretary to certify to the applicant the action of the committee, and to furnish one copy of its report within ten days after the same shall have been finally adopted, except in cases where the committee has made or recommended an award, when the copy shall be withheld from the applicant and from publication during the time in which proper objections to such award, or motion for reconsideration, may be made. In default of such motion or objections, the previous action upon a report and award shall be final.

14. After a report has been finally acted on it shall not be reconsidered, except by a vote of two-thirds of the members present. A motion for reconsideration must be made not later than the next stated meeting after the adoption of the report which it is proposed to reconsider, and may be acted on at the next following stated meeting. After a report has been finally acted on a second investigation of the same subject-matter shall not be ordered, except on a vote of two-thirds of the members present.

15. After the second roll-call at each meeting the Secretary shall report the name of every member who has been absent from three successive stated meetings, and has not during that time attended a meeting of a sub-committee, and unless otherwise severally ordered by a vote of a majority of the members present, each such member shall be considered as having resigned.

16. These regulations may be altered in the following manner: Propositions for amendment shall be made at a stated meeting in writing. They may be considered when presented, but shall not be acted on until the next stated meeting, and shall be considered adopted when agreed to by two-thirds of the members present. In all cases, notice of proposed amendments shall be given by publication on card notices.

CERTIFICATE OF MERIT.

The following is published for information (extract from the minutes of the stated meeting of the Franklin Institute, held Wednesday, June 21, 1882):—

At the stated meeting of the Institute, held on the above date, the following resolutions were adopted:—

“Resolved, That the Committee on Science and the Arts of the Franklin Institute is hereby authorized to award, and issue to persons by said committee adjudged worthy, a Certificate of Merit for their inventions, discoveries or productions, which Certificate shall read as follows:—

“The FRANKLIN INSTITUTE of the State of Pennsylvania for the promotion of the Mechanic Arts, awards to ———— this Certificate of Merit. This award is made pursuant to the recommendation of the Committee on Science and the Arts.

“Report No. ———— Approved, ———— 19—

“Chairman Committee Science and the Arts.

“————— President.

[SEAL.]

“————— Secretary.

“Resolved, That all such Certificates of Merit so awarded shall be signed by the President and Secretary of the Franklin Institute and the Chairman of the Committee on Science and the Arts, and attested by the seal of the Institute, and be transmitted to the person named therein by the Secretary.”

The Committee on Science and the Arts has adopted general regulation on investigations, which govern the award of the Certificate of Merit; see Regulations Nos. 11, 13 and 14.

(An award of the Certificate of Merit requires no advertisement.)

The following resolutions were adopted at the stated meeting of the Institute, held January 16, 1895:—

“Resolved, That the Institute shall issue diplomas to applicants in cases where awards of medals have been made to inventors, and where the applicants have failed to receive recognition for their share in the development of an invention.

“Resolved, That in order to further increase the value of awards, as well as to give greater publicity to the work of the Committee on Science and the Arts, each such award or recommendation shall be accompanied by an engraved certificate of the fact suitable for framing.”

THE EDWARD LONGSTRETH MEDAL OF MERIT.

The following is a brief history of this endowment:—

In the month of May, 1890, Edward Longstreth, machinist, and retired member of the Baldwin Locomotive Works of the city of Philadelphia, deposited with the Franklin Institute, in trust, a registered bond of the Baltimore Traction Co. for the sum of one thousand dollars, for the founding and perpetuation of the Edward Longstreth Silver Medal; the interest accruing from said principal sum to be used in procuring and awarding said medals for the encouragement of invention, and in recognition of meritorious work in science and the industrial arts; the said awards to be made by the Franklin Institute through its Committee on Science and the Arts, under such rules as said committee may adopt.

This donor further presented to the Franklin Institute twelve silver medals and the dies therefor designed and executed under the direction of a committee of the Institute with the approval of the donor.

The obverse of the medal bears the effigy of the donor, and is inscribed around the margin, "The Edward Longstreth Medal of Merit, founded 1890." On the reverse is inscribed around the margin, "Awarded by the Franklin Institute," the centre to be filled by the engraved name of the recipient, with the object of award and date.

On May 14, 1890, the Board of Managers of the Franklin Institute, by resolution, accepted on behalf of the Institute the gifts of the donor, and on September 17, 1890, the Institute, by resolution following, confirmed the acceptance:—

"Resolved, That the Institute hereby confirms the action of the Board of Managers in accepting the gift of foundation of the EDWARD LONGSTRETH MEDAL OF MERIT, and in expressing its grateful acknowledgments for the gift.

"Resolved, That the grant of the Edward Longstreth Medal, in accordance with the wishes of the donor, be entrusted to the Committee on Science and the Arts, subject to such conditions as the said committee, with the approval of the Institute, may propose."

In conformity with the foregoing instructions, the Committee on Science and the Arts has established the following rules to be observed in awarding the Edward Longstreth Medal of Merit:—

"1. This medal may be awarded for useful invention, important discovery and meritorious work in, or contributions to, science, or the industrial arts.

"2. In all cases where the subject of investigation shall be judged worthy of the award of the Edward Longstreth Medal of Merit, the

adoption of the report containing such an award by the Committee on Science and the Arts shall be conclusive without advertisement as required in the case of other awards by the committee.

"3. In the event of an accumulation of the fund for medals beyond the sum of one hundred dollars, it shall be competent for the Committee on Science and the Arts to offer from such surplus a money premium for some special work on any mechanical or scientific subject that said committee may consider of sufficient importance."

At the stated meeting of the Franklin Institute, held Wednesday, January 21, 1891, the Secretary, by direction of the Committee on Science and the Arts, presented the report of this committee in reference to the regulations for the grant of the Edward Longstreth Medal of Merit. On motion, the committee's action was confirmed, and the regulations proposed in the report were approved.

The Committee on Science and the Arts has adopted general regulations on investigations which govern the award of the Edward Longstreth Medal of Merit; see Regulations Nos. 11, 13 and 14.

(An award of the Edward Longstreth Medal requires no advertisement.)

THE JOHN SCOTT LEGACY PREMIUM AND MEDAL.

The following particulars are published for the information of the ingenious:—

John Scott, chemist, late of Edinburgh, by his will, made in the year 1816, bequeathed the sum of four thousand dollars in the funded three per cent. stock of the United States, to the corporation of the city of Philadelphia, directing that the interest and dividend to become receivable thereon should be laid out in premiums, to be distributed among ingenious men and women who make useful inventions, but no such premium to exceed twenty dollars, and that therewith shall be given a copper medal with this inscription: "To the most deserving."

The Select and Common Councils of the city of Philadelphia, by an ordinance passed February 27, 1834, vested the award of the aforesaid premiums and medals in the Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts.

The Legislature of the State of Pennsylvania, by an Act passed and approved June 30, 1869, created a "Board of Directors of City Trusts," to whom was referred the charge or administration of all estates dedicated to charitable uses.

The control of the John Scott Legacy Premium and Medal was (by the Act of 1869) transferred to the Board of Directors of City Trusts.

This Board, by a resolution passed April 12, 1882, referred the matter, with instructions, to its Committee on Wills' Hospital and Minor Trusts.

The Committee on Wills' Hospital and Minor Trusts, by a resolution passed April 12, 1882, resolved that "they will favorably receive the names of any persons whom the Franklin Institute may, from time to time, report to the Committee on Minor Trusts as worthy of receiving the John Scott Legacy Medal and Premium."

The Franklin Institute, by a resolution passed June 21, 1882, accepted the above, and referred the duty of making examinations, etc., to the Committee on Science and the Arts.

That committee has adopted the following rules in regard to recommendations of the award of the John Scott Legacy Premium and Medal:—

1. A recommendation for an award of the premium and medal shall be made only by the Committee on Science and the Arts, on a report of a sub-committee which shall have been appointed to examine such invention.

2. The invention or improvement to be examined shall be accompanied by a clear description and drawings of the same, together with a model, if required, and also a statement of the particulars of the inventor's claim to originality.

3. When the invention is a composition of matter, specimens of the ingredients and of the compound sufficient for the purpose of experiments, and to preserve in the cabinet of the Franklin Institute, shall be furnished by the inventor.

4. Upon the adoption by the Committee on Science and the Arts of a report setting forth that an invention or improvement is worthy of an award of the premium and medal, publication shall be made three times in the *Journal* of the Franklin Institute, stating that at the expiration of three months from the date of the first publication, the Committee on Science and the Arts will recommend to the Committee on Minor Trusts of the Board of City Trusts, the award of the said premium and medal to the inventor, unless within that time satisfactory evidence shall have been submitted to the Committee on Science and the Arts of the want of originality of the supposed invention and improvement. In case no such objections to the final award of the premium and medal shall have been made, the Secretary shall certify the recommendation of the award to the Committee on Minor Trusts of the Board of City Trusts.

5. All applications for the John Scott Legacy Premium and Medal must be made to the Secretary of the Institute, by whom the applications and accompanying descriptions, drawings, etc., shall be laid before the Committee on Science and the Arts, and by whom all publications ordered by said committee, in relation to said premiums and medals, shall be made.

THE ELLIOTT CRESSON MEDAL.

[ABSTRACT OF THE DEED OF TRUST.]

Under date of February 18, 1848, Elliott Cresson, Esq., of Philadelphia, Pennsylvania, conveyed to Trustees, for the Franklin Institute, one thousand dollars of the six per cent. convertible loan of the President, Managers and Company of the Schuylkill Navigation Company—to hold the said sum and the interest to accrue thereon, for the following use and purposes:—

1. The Trustees to keep the principal invested as it now is until it is reimbursed by the said Company, and immediately after such reimbursement to reinvest the said principal of one thousand dollars in such securities, bearing interest, as may by law be designated for the investment of trust funds. And from time to time, as the said principal sum may be reimbursed, reinvest the same in like manner.

2. To cause suitable dies to be prepared for striking the gold medal out of the first sufficient moneys received for interest on the said sum of one thousand dollars. The dies to bear the following devices and inscriptions: The obverse—a medallion likeness of the said Elliott Cresson, with inscription around the margin, "Elliott Cresson Medal, A. D. 1848." Reverse—around the margin, "Awarded by the Franklin Institute of Pennsylvania." The center to be filled by engraving the name of the party to whom awarded and the year in which the award may be made.

3. After the said dies have been prepared, and paid for out of the money received for interest, the said Trustees to cause to be struck, from time to time, such number of gold medals as the interest received will pay for, and deliver the same to the Treasurer of the Franklin Institute, to be by him delivered to such persons or parties as the said Franklin Institute, by any rule or regulation they may adopt, may have awarded the same. The said awards, however, to be in all instances made either for some discovery in the arts and sciences, or for the invention or improvement of some useful machine, or for some new process or combination of materials in manufactures, or for ingenuity, skill or perfection in workmanship.

At the stated meeting of the Institute held May 17, 1849—On motion, it was

“*Resolved*, That the Committee on Science and the Arts be authorized to award the Elliott Cresson Medal to such inventions and manufactures as shall, in their opinion, deserve it, subject to the rules which now govern the award of the John Scott Legacy Premium and Medal.” (Repealed at the stated meeting held September 20, 1893.)

At the stated meeting held September 20, 1893, the following resolution was adopted:—

“*Resolved*, That the Committee on Science and the Arts be authorized to award the Elliott Cresson Medal for such discoveries, inventions or manufactures as shall, in their opinion, deserve it, subject to the general regulations on investigations and the following special rules:—

“1. Upon the adoption, by the Committee on Science and the Arts, of a report setting forth that a discovery, invention, improvement or manufacture is worthy of an award of the Elliott Cresson Medal, publication shall be made three times in the *Journal of the Franklin Institute*, stating that at the expiration of three months from the date of the first publication, the applicant will be entitled to receive the award of the said medal, unless within that time satisfactory evidence shall have been submitted to the Committee on Science and the Arts of the want of originality or merit, of the supposed discovery, invention, improvement or manufacture.

“2. All applications for the Elliott Cresson Medal must be made to the Secretary of the Institute, by whom the applications and accompanying descriptions, drawings, etc., shall be laid before the Committee on Science and the Arts, and by whom all publications ordered by said committee, in relation to said medal, shall be made.”

At the stated meeting of the Institute, held December 6, 1893, the following resolution, recommended for approval by the Committee on Science and the Arts, was adopted, viz.:—

“Resolved, That the President and Secretary of the Institute be authorized to affix their signatures, and the Secretary to affix the seal of the Institute, to *all* reports of the Committee on Science and the Arts, when finally adopted by it, setting forth that such reports are the action of the Franklin Institute, by its Committee on Science and the Arts.”

The following resolution was adopted at the stated meeting of the Committee on Science and the Arts, held Wednesday, November 2, 1898, viz.:—

“Resolved, That a committee of five be appointed by the chairman for the purpose of presenting to the committee subjects worthy of investigation, and that this committee be required to report at each stated meeting.”

[The foregoing resolution practically constitutes this committee a standing committee. It is known as the Committee on New Subjects.]



TERMS AND PRIVILEGES OF MEMBERSHIP.

Each Member and Adult Holder of Second-Class Stock, when not in arrears for Dues, is entitled to attend the meetings of the Institute, to the use of the Library and Reading-Room, and to tickets to the Lectures for himself and a lady, and to receive the JOURNAL.

Contributing Members pay Eight Dollars each year. The payment of One Hundred Dollars in any one year secures Life Membership, without annual dues. Permanent Memberships, transferable by will or otherwise, One Thousand Dollars.

Shares of Stock, Ten Dollars.

Second-Class Stock has an annual tax of Six Dollars per share, entitling the holder of one share to the privileges of Membership.

Minor Children, Wards and Apprentices of members not in arrears, by payment of Two Dollars, have use of Library and Reading-Room, and admission to Lectures; or admission to Lectures alone for One Dollar.

Minors holding a share of Second-Class Stock, by paying Three Dollars per year, have use of Library and Reading-Room, and admission to Lectures.

Non-Resident Members pay an entrance fee of Five Dollars, and Two Dollars annually. They must reside at least twenty-five miles from Philadelphia. Non-Resident Life Memberships, Forty Dollars.

Junior Associates include persons between the ages of Eighteen and Twenty-five years, and pay Three Dollars per annum, for which they have the use of the Library and the right to attend meetings of the Institute, of the Sections and the Lectures.